

Application No. 10/678,288  
Paper Dated: May 18, 2007  
In Reply to USPTO Correspondence of May 8, 2007  
Attorney Docket No. 2204-031822

### **AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions and listings of claims in the application:

#### **Listing of Claims**

Claim 1 (Currently Amended): A hydrocarbon-reforming catalyst, comprising:

a porous carrier body, formed from at least one oxide powder selected from the group consisting of magnesia, alumina, zirconia, titania and calcia; and

~~a complex oxide at least one catalytic activity constituent selected from the group consisting of Ni and Co and at least one carrier forming constituent selected from the group consisting of compounds of Mg, Al, Zr, Ti and Ca, wherein the complex oxide is formed by co precipitating both the catalytic activity and carrier forming constituents on a surface of the porous carrier body from an impregnating solution, and calcining the porous body impregnated with the catalytic activity and the carrier forming constituents; and~~

~~catalytic-activity particles, distributed on the surface of the porous body and produced by activating the complex oxide and distributed on the surface of the porous body, wherein 80% or more of the catalytic-activity particles are 3.5 nm or less in size, the complex oxide comprising at least one catalytic-activity constituent selected from the group consisting of Ni and Co and at least one carrier-forming constituent selected from the group consisting of compounds of Mg, Al, Zr, Ti and Ca, wherein the complex oxide is formed by co-precipitating both the catalytic-activity and carrier-forming constituents on a surface of the porous carrier body from an impregnating solution, and calcining the porous body impregnated with the catalytic-activity and the carrier-forming constituents.~~

Claim 2 (Currently Amended): The hydrocarbon-reforming catalyst as defined by Claim 1, wherein the catalytic-activity particles are one or more selected from the group consisting of Ni, Co and compounds of Ni and Co.

Claims 3-4 (Cancelled).